

Dang Minh Tran

Toronto, ON | 647-507-8931 | [linkedin/in/dangminhtran](#) | tranminhdang8702@gmail.com | github.com/dangminhtran | dangminhtran.github.io/My-Website

EDUCATION

York University

BSc in Computer Science (3rd year)

- Organizations/Awards: Honors Program, Undergrad Bursary, International Scholarship of Merit

Toronto, ON

Graduation Date: December 2024

TECHNICAL SKILLS

Languages: HTML | CSS | JavaScript | TypeScript | Java | Python | C | SQL | Bash

Frameworks: Node.js | React.js | Angular.js | Bootstrap | Java Swing | Spring Boot | JUnit | MySQL | MongoDB | Docker

Developer Tools: Visual Studio Code | Git | Github | Eclipse | IntelliJ | Android Studio | PyCharm | Linux | Figma

Coursework: Front End | Back End | Data Structures and Algorithms | Software Design | UI/UX | OOP | Database Systems | Operating Systems | CI/CD

WORK EXPERIENCE

Research Assistant

York University - Lassonde School of Engineering

Toronto, ON

May 2023-Now

- Conducted comprehensive testing and analysis of artifact traceability in machine learning repositories on GitHub, analyzing over 200 repositories and deriving valuable insights, contributing to the advancement of MLOps and DevOps concepts, utilizing Git, GitHub, Python libraries, and data analysis techniques.
- Create and maintain detailed documentation of research methodologies, experiment results, and findings, producing over 50 reports and publications for future reference and dissemination.

Learning Management System (LMS) Support Assistant

York University - Professional Learning, Faculty of Education

Toronto, ON

May 2023-Now

- Managed and maintained course content on Moodle LMS, creating and customizing various course content blocks, contributing to 50 online courses with over 1000 enrolled students, enhancing the learning experience, and achieving a 20% increase in student engagement, using HTML, CSS, Bootstrap, and JavaScript.
- Collaborate with other faculty team members to identify and implement new features and functionality to enhance Moodle LMS's course content capabilities using Microsoft applications and project management tools such as Microsoft Teams, Excel, and Figma.
- Utilize the LMS database to perform course creation tasks, including creating course shells, adding users, and configuring course settings, using SQL queries and LMS administrative tools to ensure accurate and efficient course creation.

Information Technology Assistant

York University - School of Arts, Media, Performance & Design

Toronto, ON

September 2022-April 2023

- Assisted in installing and maintaining hardware, software, and network systems, supporting a network of 300 devices.
- Resolved 150 technical issues promptly and efficiently, ensuring smooth operations and minimizing downtime.
- Provided technical support to 100 end-users, troubleshooting software and hardware issues, and ensuring their swift resolution.

PROJECT EXPERIENCE

[Election Quiz](#) | HTML, CSS, JavaScript, JQuery, Git, Github

- Developed a web-based Election Quiz platform, reaching over 200 users and assisting them in making informed decisions in the 2021 election. It resulted in a 25% increase in voter turnout compared to previous elections, utilizing HTML, CSS, JavaScript, and jQuery.
- Developed a streamlined questionnaire using HTML, CSS, jQuery, and JavaScript, enabling 200 users to answer a series of questions and receive 55% personalized responses.
- Conducted extensive research on over 50 election candidates, issues, and policies, collecting and analyzing information from a variety of sources to provide a comprehensive and unbiased view.

[HomeForecast Canada](#) | Java, JavaSwing, SQL, MySQL, JFreeChart API, WEKA API

- Developed HomeForecast Canada data analysis application, providing intuitive visualizations of New Housing Price Index (NHPI) trends, with machine learning-based forecasting achieving a 70% accuracy rate, enabling data-driven predictions for future housing prices, using Java.
- Implemented MySQL database to manage and store New Housing Price Index (NHPI) data, enabling efficient data retrieval and analysis.
- Integrated JFreeChart API to generate interactive charts and graphs, providing users with intuitive visualizations of New housing price index trends.
- Leveraged the WEKA API to develop machine learning models for forecasting NHPI trends, enabling data-driven predictions for future prices.
- Implemented the MVC architectural pattern to separate the application's logic, user interface, and data, promoting code organization, reusability, and maintainability.

[My Class Finder](#) | HTML, CSS, JavaScript, SQL, Google Cloud SQL, Git, Github

- Deployed My Class Finder website with an intuitive user interface, allowing students to locate classes efficiently, resulting in a 30% reduction in average class location search time, leading to improved student satisfaction and time management, utilizing HTML, CSS, JavaScript, and SQL.
- Created a database to store location data, such as buildings, lecture halls, and course codes, using Google Cloud and Google Cloud SQL, ensuring scalability and reliability.
- Integrated Google Maps API to enable students to quickly navigate to their classes, providing turn-by-turn directions and highlighting the shortest route.

[Tic Tac Toe Game](#) | Java, JUnit, Android Studio, Git, Github

- Designed and implemented a Tic Tac Toe game for Android devices, resulting in 100 trials, using Java and Android Studio development environment.
- Employed OOP principles to organize and structure the game's code, resulting in a scalable, maintainable application.
- Conducted unit testing using JUnit Test to ensure code functionality and catch errors during development.

VOLUNTEER EXPERIENCE

Peer Helper

York University - Lassonde School of Engineering

Toronto, ON

September 2022-January 2023

- Assisted first-year engineering students as a Peer Helper, providing mentoring and support to a cohort of 50 students in the Lassonde Community
- Engaged with students through various communication channels such as Discord, including conducting 100 weekly email check-ins.
- Effectively addressed mentees' concerns and challenges by resolving 80% of their issues within 48 hours, ensuring prompt and satisfactory resolutions.